

```

else if (num==4 ) {
    if (rootView4==null) {
        rootView4 = inflater.inflate(R.layout.table, container, false);
        Button addButton = (Button) rootView4.findViewById(R.id.button01);
        final Button removeButton = (Button) rootView4.findViewById(R.id.button02);
        addButton.setOnClickListener(new View.OnClickListener() {
            public void onClick(View v) {
                final TableLayout
tl=(TableLayout) rootView4.findViewById(R.id.TableLayout01);
                final TableRow tr1 = new TableRow(v.getContext());
                tr1.setClickable(true);
                TableRow.LayoutParams textLayoutParams = new
TableRow.LayoutParams(TableRow.LayoutParams.MATCH_PARENT,
TableRow.LayoutParams.WRAP_CONTENT);
                tr1.setLayoutParams(textLayoutParams);
                TextView textview = new TextView(v.getContext());
                textview.setText("");
                textview.setTextColor(Color.BLACK);
                textview.setTextSize(30);
                textview.setClickable(true);
                textview.setGravity(View.TEXT_ALIGNMENT_GRAVITY);
                textview.setBackgroundColor(Color.parseColor("#dcdcdc"));
                tr1.addView(textview, textLayoutParams);

                TextView textview2 = new TextView(v.getContext());
                textview2.setText("");
                textview2.setTextColor(Color.BLACK);
                textview2.setTextSize(30);
                textview2.setClickable(true);
                textview2.setGravity(View.TEXT_ALIGNMENT_GRAVITY);
                textview2.setBackgroundColor(Color.parseColor("#dcdcdc"));
                tr1.addView(textview2, textLayoutParams);

                TextView textview3 = new TextView(v.getContext());
                textview3.setText("");
                textview3.setTextColor(Color.BLACK);
                textview3.setTextSize(30);
                textview3.setClickable(true);
                textview3.setGravity(View.TEXT_ALIGNMENT_GRAVITY);
                textview3.setBackgroundColor(Color.parseColor("#dcdcdc"));
                tr1.addView(textview3, textLayoutParams);

                tl.addView(tr1, new
TableRow.LayoutParams(TableRow.LayoutParams.MATCH_PARENT,
GridLayout.LayoutParams.WRAP_CONTENT));
                tr1.setOnClickListener(new View.OnClickListener() {
                    public void onClick(View view) {
                        view.setBackgroundColor(Color.RED);
                        removeButton.setOnClickListener(new View.OnClickListener() {
                            {
                                public void onClick(View v) {
                                    TableLayout
tl=(TableLayout) rootView4.findViewById(R.id.TableLayout01);

                                    tl.removeView(tr1);
                                }
                            }
                        });
                    }
                });
            }
        });
    }
}
}

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    });
    final TableLayout
tl=(TableLayout) rootView4.findViewById(R.id.TableLayout01);

    final Handler handler=new Handler();
    handler.post(new Runnable() {
        @Override
        public void run() {
            // upadte textView here
            int count=tl.getChildCount();
            if(count>2) {
                for(int b=2+skip;b<count;b++)
                {
                    if(count<MAX) {
                        TableRow row = (TableRow) tl.getChildAt(b);
                        //Log.d("",
                        "=====:2 " );
                        //Toast.makeText(MainActivity.this,"i="+
                        row.getChildCount(),Toast.LENGTH_LONG).show();
                        TextView txtView0 = (TextView) row.getChildAt(0);
                        txtView0.setText(Integer.toString(b - 1));
                        TextView txtView1 = (TextView) row.getChildAt(1);
                        txtView1.setText(Subject);
                        TextView txtView2 = (TextView) row.getChildAt(2);
                        txtView2.setText(Integer.toString(list[b - 1]));
                    }
                }
            }

            //Toast.makeText(MainActivity.this,"i="+i,Toast.LENGTH_LONG).show();
            handler.postDelayed(this,500); // set time here to refresh
            textView
        }
    });

    Button searchButton= (Button) rootView4.findViewById(R.id.button03);
    searchButton.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            final EditText searchText=(EditText)
rootView4.findViewById(R.id.EditText01);
            int count=tl.getChildCount();
            //Toast.makeText(MainActivity.this,"row number is "+
            count,Toast.LENGTH_LONG).show();
            for(int i=2;i<count;i++)
            {
                if(count<MAX) {
                    TableRow tb = (TableRow) tl.getChildAt(i);

                    for (int j = 0; j < 3; j++) {
                        String keyword = searchText.getText().toString();
                        TextView txtV = (TextView) tb.getChildAt(j);
                        String txt = txtV.getText().toString();
                        if (txt.equals(keyword)) {
                            txtV.setTextColor(Color.parseColor("#00bfff"));
                        } else {
                            txtV.setTextColor(Color.BLACK);
                        }
                    }
                }
            }
        }
    });

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    }
    return rootView4;
}
else if(num==5 ){
    if(rootView5==null){
        rootView5 = inflater.inflate(R.layout.histogram, container, false);
        final GraphView graph = (GraphView) rootView5.findViewById(R.id.graph);
        final int datapoint_num=10;
        int[] pool=new int[datapoint_num];
        final DataPoint[] dp=new DataPoint[datapoint_num] ;
        for(int i=0;i<datapoint_num;i++)
        {
            dp[i]=new DataPoint(i,list[i]);

        }

        //new DataPoint(1,5);
/*
        new DataPoint(0, 1),
            new DataPoint(1, 5),
            new DataPoint(2, 3),
            new DataPoint(3, 2),
            new DataPoint(4, 6)*/

        final LineGraphSeries<DataPoint> series = new
LineGraphSeries<DataPoint>(dp);
graph.addSeries(series);
        final Handler handler=new Handler();
        handler.post(new Runnable(){
            @Override
            public void run() {
                // upadte textView here
                for(int i=0;i<datapoint_num;i++)
                {
                    dp[i]=new DataPoint(i,list[i]);
                }
                LineGraphSeries<DataPoint> series = new
LineGraphSeries<DataPoint>(dp);
graph.addSeries(series);

//Toast.makeText(MainActivity.this,"i="+i,Toast.LENGTH_LONG).show();
                handler.postDelayed(this,500); // set time here to refresh
textView
            }
        });

    }
    return rootView5;
}
return rootView1;
}

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```

public void run() {
    super.run();
    //Keep listening if there is any incoming messages
    while(!killThread){
        try {
            //Build a new socket
            socket = new Socket(serverAddress, serverPort);
            socket.setKeepAlive(true);
            msgDecoder = new MsgDecoder(socket.getInputStream());
            msgEncoder = new MsgEncoder(socket.getOutputStream());

            //System.out.println("lalala");
            //Tell the activity that a new socket has been built.
            Message message = callback.obtainMessage(MainActivity.CONNECTED);
            callback.sendMessage(message);
            killThread = false;
            while(true){
                Log.d("debug", "hahaha");
                //Check if there is an incoming message.
                KeyValueType kvList = msgDecoder.getMsg();

                if (kvList.size() > 1) {

                    String messageType=kvList.getValue("MessageType");
                    String message2=kvList.getValue("Message");
                    if(messageType.equals("Voting")) {
                        Log.e(MainActivity.TAG, "Received raw: <" +
kvList.encodedString() + ">");
                        //Tell the activity that a new message has been received.
                        if(message2.equals("open")) {
                            Message msg =
callback.obtainMessage(MainActivity.MESSAGE_RECEIVED);
                            Message msg3 =
callback.obtainMessage(MainActivity.OPEN_POOL);
                            msg.obj = kvList.toString();
                            callback.sendMessage(msg);
                            callback.sendMessage(msg3);
                        }
                        else if(message2.equals("close")) {
                            Message msg =
callback.obtainMessage(MainActivity.MESSAGE_RECEIVED);
                            Message msg2 =
callback.obtainMessage(MainActivity.CLOSE_POOL);
                            msg.obj = kvList.toString();
                            callback.sendMessage(msg);
                            callback.sendMessage(msg2);
                        }
                        else
                        {
                            String subject=message2;
                            Message msg3 = callback.obtainMessage(6, subject);
                            callback.sendMessage(msg3);
                        }
                    }
                    /* else{
                        msgProcess(kvList);
                        Message msg =
callback.obtainMessage(MainActivity.MESSAGE_RECEIVED);
                        msg.obj = kvList.toString();
                        callback.sendMessage(msg);
                    }
                }
            }
        }
    }
}

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    }

    }
} catch (Exception e) {
    e.printStackTrace();
    Message message = callback.obtainMessage(MainActivity.DISCONNECTED);
    callback.sendMessage(message);
}
try {
    Thread.sleep(100);
} catch (InterruptedException e) {
    e.printStackTrace();
}
}
}

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SmsReceiver.bindListener(new SmsListener() {
    @Override
    public void messageReceived(String messageText, String sender) {
        if(open) {
            if(!arr.contains(sender)) {
                arr.add(sender);
                Log.i("Text", messageText + "\t " + arr.get(0));
                Toast.makeText(MainActivity.this, "Message: " + messageText + "sender"
+ sender, Toast.LENGTH_LONG).show();
                if (isInteger(messageText)) {
                    Toast.makeText(MainActivity.this, "Message: is integer",
Toast.LENGTH_LONG).show();
                    int result = Integer.parseInt(messageText);
                    if (result > 0 && result < MAX + 1) {
                        list[result] = list[result] + 1;
                    }
                }
            }
        }
    }
});

```

```

public void run() {
    super.run();
    //Keep listening if there is any incoming messages
    while(!killThread){
        try {
            //Build a new socket
            socket = new Socket(serverAddress, serverPort);
            socket.setKeepAlive(true);
            msgDecoder = new MsgDecoder(socket.getInputStream());
            msgEncoder = new MsgEncoder(socket.getOutputStream());

            //System.out.println("lalala");
            //Tell the activity that a new socket has been built.
            Message message = callback.obtainMessage(MainActivity.CONNECTED);
            callback.sendMessage(message);
            killThread = false;
            while(true){
                Log.d("debug", "hahaha");
                //Check if there is an incoming message.
                KeyValueType kvList = msgDecoder.getMsg();

                if (kvList.size() > 1) {

                    String messageType=kvList.getValue("MessageType");
                    String message2=kvList.getValue("Message");
                    if(messageType.equals("Voting")) {
                        Log.e(MainActivity.TAG, "Received raw: <" +
kvList.encodedString() + ">");
                        //Tell the activity that a new message has been received.
                        if(message2.equals("open")) {
                            Message msg =
callback.obtainMessage(MainActivity.MESSAGE_RECEIVED);
                            Message msg3 =
callback.obtainMessage(MainActivity.OPEN_POOL);
                            msg.obj = kvList.toString();
                            callback.sendMessage(msg);
                            callback.sendMessage(msg3);
                        }
                        else if(message2.equals("close")) {
                            Message msg =
callback.obtainMessage(MainActivity.MESSAGE_RECEIVED);
                            Message msg2 =
callback.obtainMessage(MainActivity.CLOSE_POOL);
                            msg.obj = kvList.toString();
                            callback.sendMessage(msg);
                            callback.sendMessage(msg2);
                        }
                    }
                    /* else{
                        msgProcess(kvList);
                        Message msg =
callback.obtainMessage(MainActivity.MESSAGE_RECEIVED);
                        msg.obj = kvList.toString();
                        callback.sendMessage(msg);
                    }*/
                }

            }
        } catch (Exception e) {
            e.printStackTrace();
            Message message = callback.obtainMessage(MainActivity.DISCONNECTED);

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        callback.sendMessage(message);
    }
    try {
        Thread.sleep(100);
    } catch (InterruptedException e) {
        e.printStackTrace();
    }
}
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